

WHAT IS CLAIMED IS:

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1. ~~An information processing system comprising:~~

~~an operation screen unit capable of displaying information  
and detecting a touch operation on a surface thereof;~~

5 ~~a first display control unit controlling display of the  
information on said operation screen unit; and~~

~~an operation mode selecting unit selecting any one of two  
or more operation modes with respect to the touch operation,~~

10 ~~wherein a first operation mode provides the touch operation  
on said operation screen unit with a first function corresponding  
to the touch operation, and~~

~~a second operation mode provides the touch operation on  
said operation screen unit, instead of providing the first  
function corresponding to the touch operation, or together with  
15 providing the first function, with a second function of  
displaying a marker for indicating a detection of the touch in  
a touch position.~~

2. An information processing system according to claim

20 1, further comprising:

~~a connecting module for connecting a display device capable  
of displaying information in addition to said operation screen  
unit,~~

25 ~~wherein said display device is connected via said  
connecting module,~~

~~said first display control unit controls the display of  
the information on said display device and the display of the~~

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information on said operation screen unit, and

the second operation mode provides the touch operation on said operation screen unit, instead of providing the first function corresponding to the touch operation, or together with providing the first function, with a second function of displaying a marker for indicating a detection of the touch in at least one of a touch position and a display position on said display device which is determined based on the touch operation.

3. An information processing system according to claim 2, wherein said first display control unit executes the control so that the information is exclusively displayed on any one of said display device and said operation screen unit, and

the second operation mode provides the touch operation on said operation screen unit, instead of providing the first function corresponding to the touch operation, or together with providing the first function, with a second function of displaying a marker for indicating a detection of the touch in at least one of a touch position and a display position on said display device which is determined based on the touch operation.

4. An information processing system according to claim 2, further comprising:

a second display control unit,

wherein said first display control unit controls display of a first item of information on said operation screen unit, said second display control unit controls display of a

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the second operation mode provides the touch operation on said operation screen unit, instead of providing the first function corresponding to the touch operation, or together with providing the first function, with a second function of displaying a marker for indicating a detection of the touch in at least one of a touch position and a display position on said display device which is determined based on the touch operation.

wherein a touch operation in a first mode on said operation screen unit is provided with a first function corresponding to this touch operation, and

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6. An information processing system according to claim 5, further comprising:

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a connecting module for connecting a display device capable  
of displaying information in addition to said operation screen  
unit,

wherein said display device is connected via said  
5 connecting module,

said first display control unit controls the display of  
the information on said display device and the display of the  
information on said operation screen unit, and

the touch operation in the second mode on said operation  
10 screen unit is provided with, instead of providing the first  
function, or together with providing the first function, a second  
function of displaying a marker for indicating a detection of  
the touch in at least one of a touch position and a display position  
on said display device which is determined based on the touch  
15 operation.

7. An information processing system according to claim  
6, wherein said first display control unit executes the control  
so that the information is exclusively displayed on any one of  
20 said display device or said operation screen unit, and

the touch operation in the second mode on said operation  
screen unit is provided with, instead of providing the first  
function, or together with providing the first function, a second  
function of displaying a marker for indicating a detection of  
25 the touch in at least one of a touch position and a display position  
on said display device which is determined based on the touch  
operation.

8. ~~An information processing system according to claim~~

6, further comprising:

a second display control unit,

5 wherein said first display control unit controls display  
of a first item of information on said operation screen unit,

said second display control unit controls display of a  
second item of information on said display device, and

10 the touch operation in the second mode on said operation  
screen unit is provided with, instead of providing the first  
function, or together with providing the first function, a second  
function of displaying a marker for indicating a detection of  
the touch in at least one of a touch position and a display position  
on said display device which is determined based on the touch  
15 operation.

9. An information processing system, to which a display  
unit displaying information and a pointing device for indicating  
coordinates on said display unit are connectable, said system  
20 comprising:

a detection unit detecting an operator's input operation  
of indicating the coordinates by use of said pointing device;  
and

25 a display control unit displaying a marker for showing  
the respective coordinates on said display unit indicated by  
the input operation.

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10. An information processing system according to claim 9, further comprising:

an operation mode selecting unit selecting any one of a first operation mode for providing a first function of executing a normal process corresponding to the operator's input operation using said pointing device, and a second operation mode for providing a second function of executing a process different from the first operation mode,

wherein said display control unit executes a process of displaying the marker on the basis of the selection of the second operation mode.

11. An information processing system according to claim 9, wherein said display control unit erases the marker after the marker has been displayed for a predetermined time.

12. An information processing system according to claim 11, wherein said display control unit, if an elapse time till a posterior coordinate indication since an anterior coordinate indication is longer than the predetermined time, erases the marker displayed by the anterior coordinate indication and displays the marker at the coordinates indicated posteriorly.

13. An information processing system according to claim 9, wherein said pointing device is a touch panel provided on said display unit.

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14. An information processing system according to claim 9, further comprising:

a connecting module to which other display device on which to set display coordinates corresponding to the coordinates on  
5 said display unit, is connected,

wherein said display control unit controls display of information on at least one of said display unit and said other display device, and displays the marker on at least one of said display unit and said other display device on which the  
10 information is being displayed.

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15 ~~15. A method of controlling an information processing system, to which a display device is connected, having an operation screen unit used for displaying information and for providing a first function based on a touch operation on its surface, said method comprising, when information having the same content is displayed on said display device and on said operation screen unit, steps of:~~

detecting a touch operation on said operation screen unit;  
20 and

providing, instead of providing the first function based on the touch operation, or together with providing the first function, a second function of displaying a marker in a display position, corresponding to the detected touch position, on said  
25 display device.

~~16. A method of controlling an information processing~~

~~system, to which a display device is connected, having an~~  
operation screen unit capable of displaying information and  
detecting a touch operation on its surface, said method  
comprising, when no information is displayed on said operation  
5 screen unit, steps of:

detecting the touch operation on said operation screen  
unit;

displaying a marker in a coordinate position on said  
display device, which corresponds to a position of the detected  
10 touch on said operation screen unit; and

providing a function indicated by the marker on said  
display device.

17. A method of controlling an information processing  
15 system, to which a display device is connected, having an  
operation screen unit capable of displaying information and  
detecting a touch operation on its surface, said method  
comprising, when different items of information are displayed  
on said display device and said operation screen unit, steps  
20 of:

detecting the touch operation on said operation screen  
unit;

displaying a marker in a coordinate position on said  
display device, which corresponds to a position of the detected  
25 touch on said operation screen unit; and

providing a function indicated by the marker.

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18. A storage medium readable by a machine, tangible  
embodying a program of instructions executable by the machine  
to perform method steps for processing in response to user  
instruction using an operation screen unit, the method steps  
5 comprising:

setting an operation screen unit capable of displaying  
information and detecting a touch operation on its surface to  
any one of two operation modes,

10 displaying the information on at least one of said  
operation screen unit and other display device connected to the  
information processing system;

providing the touch operation on said operation screen  
unit with a first function corresponding to the touch operation  
in a first operation mode; and

15 providing, in a second operation mode, the touch operation  
on said operation screen unit, instead of providing the first  
function corresponding to this touch operation, or together with  
providing the first function, with a second function of  
displaying a marker for indicating a detection of the touch in  
20 at least one of a touch position and a display position on said  
display device which is determined based on the touch operation.

19. A storage medium readable by a machine, tangible  
embodying a program of instructions executable by the machine  
25 to perform method steps for processing in response to user  
instruction using an operation screen unit, the method steps  
comprising:

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~~displaying information on at least one of an operation~~  
screen unit capable of displaying the information and detecting  
a touch operation on its surface and other display device  
connected to the computer;

5        detecting the touch operation on said operation screen  
unit;

         distinguishing between operation modes on said operation  
screen unit;

10        providing the operation in a first mode on said operation  
screen unit with a first function corresponding to the first  
mode operation; and

         providing the operation in a second mode on said operation  
screen unit, instead of providing the first function, or together  
with providing the first function, with a second function of  
15        displaying a marker for indicating a detection of the touch in  
at least one of a touch position and a display position on said  
display device which is determined based on the touch operation.

20        .A storage medium readable by a machine, to which a  
display unit can be connected, tangible embodying a program of  
instructions executable by the machine to perform method steps  
for processing in response to user instruction using the display  
unit, the method steps comprising:

25        detecting an operator's input operation of indicating  
the coordinates on a display unit by use of a pointing device  
being connected to the computer; and

~~displaying a marker for showing the respective~~

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coordinates on said display unit indicated by the input operation.

21. A storage medium readable by a machine tangible  
5 embodying a program according to claim 20, of instructions executable by the machine, the method steps further comprising:

selecting any one of a first operation mode for providing a first function of executing a normal process corresponding to the operator's input operation using said pointing device,  
10 and a second operation mode for providing a second function of executing a process different from the first operation mode; and

displaying the marker on the basis of the selection of the second operation mode.

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22. ~~A storage medium readable by a machine tangible~~  
embodying a program according to claim 20, of instructions executable by the machine, the method steps further comprising:

erasing the marker after the marker has been displayed  
20 for a predetermined time.

23. A storage medium readable by a machine tangible  
embodying a program according to claim 22, of instructions executable by the machine, the method steps further comprising:

25 calculating an elapse time till a posterior coordinate indication since an anterior coordinate indication; and  
displaying the marker at the coordinates indicated

posteriorly after erasing the marker displayed by the anterior coordinate indication if the elapse time is longer than the predetermined time.

5           24. A storage medium readable by a machine tangible embodying a program according to claim 20, of instructions executable by the machine, wherein said pointing device is a touch panel provided on said display unit, and

          said detecting an operator's input operation is a process  
10 of detecting an operator's coordinate indicating operation on said touch panel.

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15           ~~25. A storage medium readable by a machine tangible~~  
embodying a program according to claim 20, of instructions  
executable by the machine, the method steps further comprising:

          controlling the display of the information on at least  
one of said display unit provided on said computer and other  
display device, connected to said computer, on which display  
coordinates corresponding to the coordinates on said display  
20 unit are set; and

          displaying the marker on at least one of said display  
unit and said other display device on which the information is  
being displayed.